

Thyroid

DATA DEFINITIONS: **Incidence data** were obtained from the Washington State Cancer Registry using primary site ICD-0 code C73.9, and excluding morphology codes 9590-9970. **Mortality data** were obtained from Washington State death certificates using the underlying cause of death ICD-9 codes 193

1994 Washington State Residents

Incidence and Mortality Summary by Sex

with rates per 100,000 and age-adjusted to 1970 US census population

Incidence			
	Male	Female	Total
All Reportable Cancers	82	208	290
Total Incidence Rates	2.9	6.8	4.8
Invasive Cancers*	82	208	290
Invasive Incidence Rates*	2.9	6.8	4.8
1994 National Rates*	2.8	7.6	5.2

*Excludes in situ cases

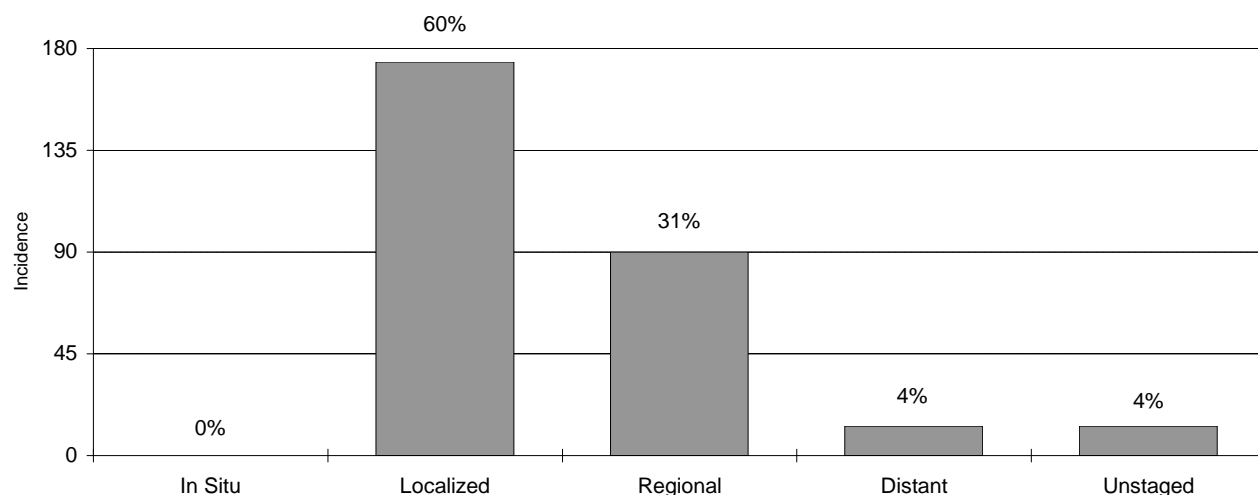
Mortality			
	Male	Female	Total
Deaths	9	10	19
Mortality Rates	0.3	0.2	0.3
1994 National Rates	0.3	0.3	0.3

1994 Washington State Residents

Stage at Diagnosis

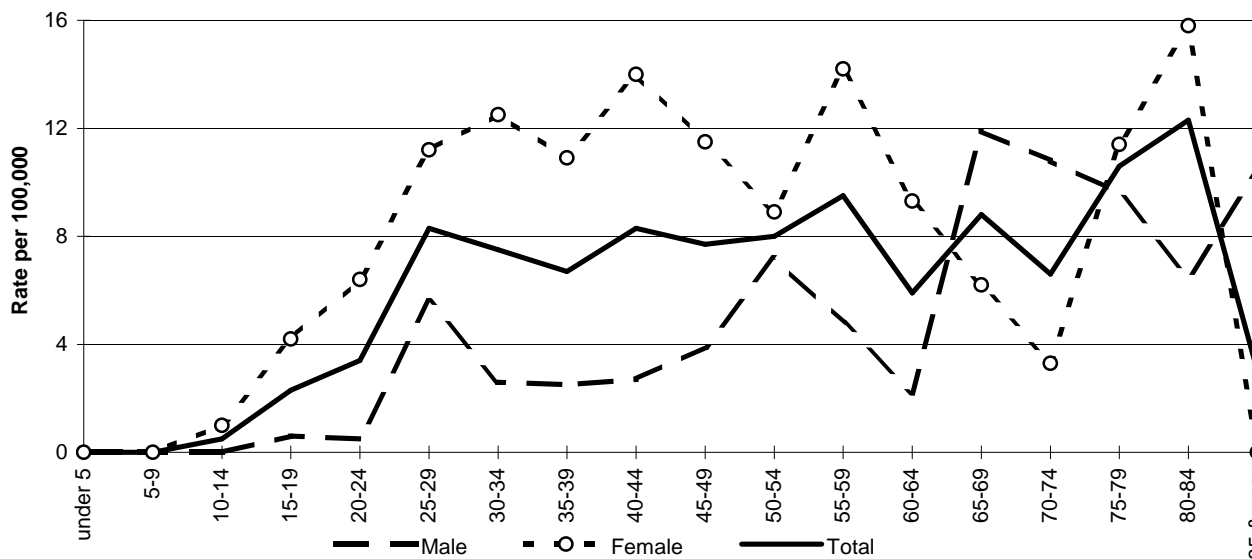
Total Incidence and Percents

	All Stages	Localized
5-Year Survival Rates (US)	95.1%	99.7%

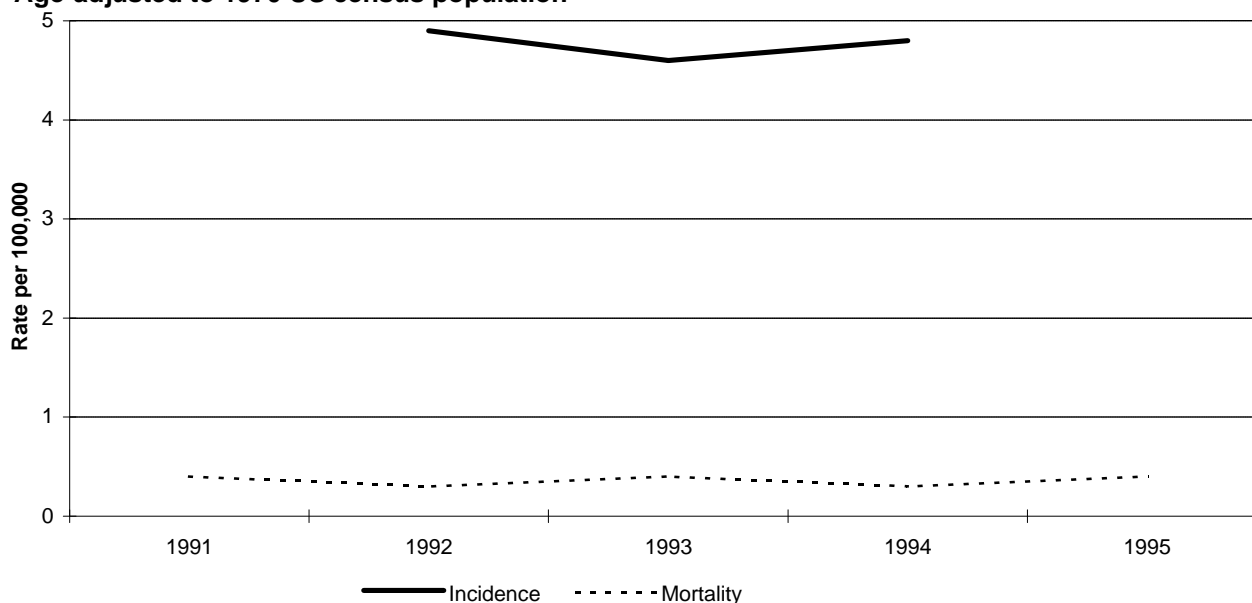


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1994 Washington State Residents Age-Specific Incidence Rates By Sex



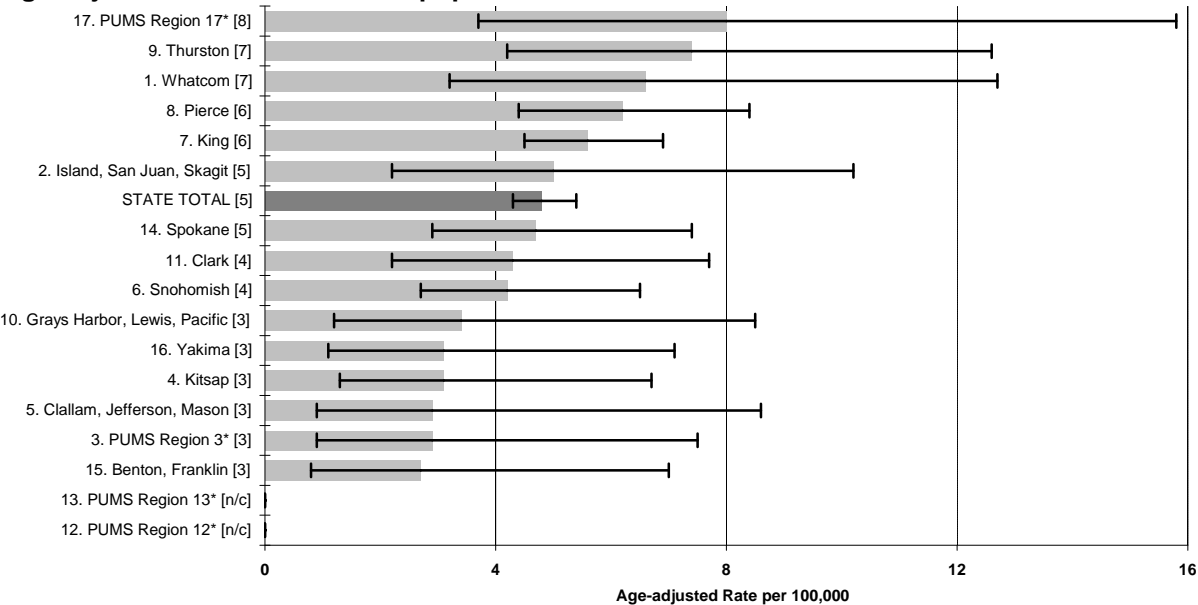
Washington State Residents Incidence and Mortality Rate Trends Age-adjusted to 1970 US census population



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1994 Washington State Residents

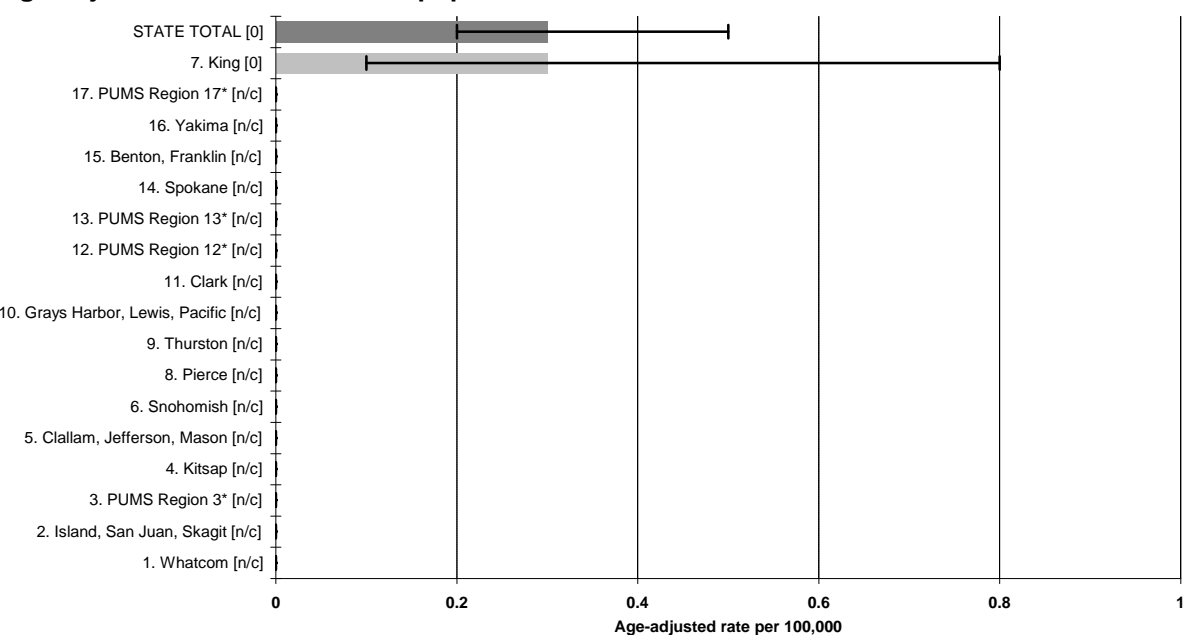
Incidence Rates by PUMS Regions with rates in []'s and 95% CIs in |—| Age-adjusted to 1970 US census population



Note: Rates and confidence intervals are not computed when the number of new cases is less than 5.

1994 Washington State Residents

Death Rates by PUMS Regions with rates in []'s and 95% CIs in |—| Age-adjusted to 1970 US census population



Note: Rates and confidence intervals are not computed when the number of new cases is less than 5.

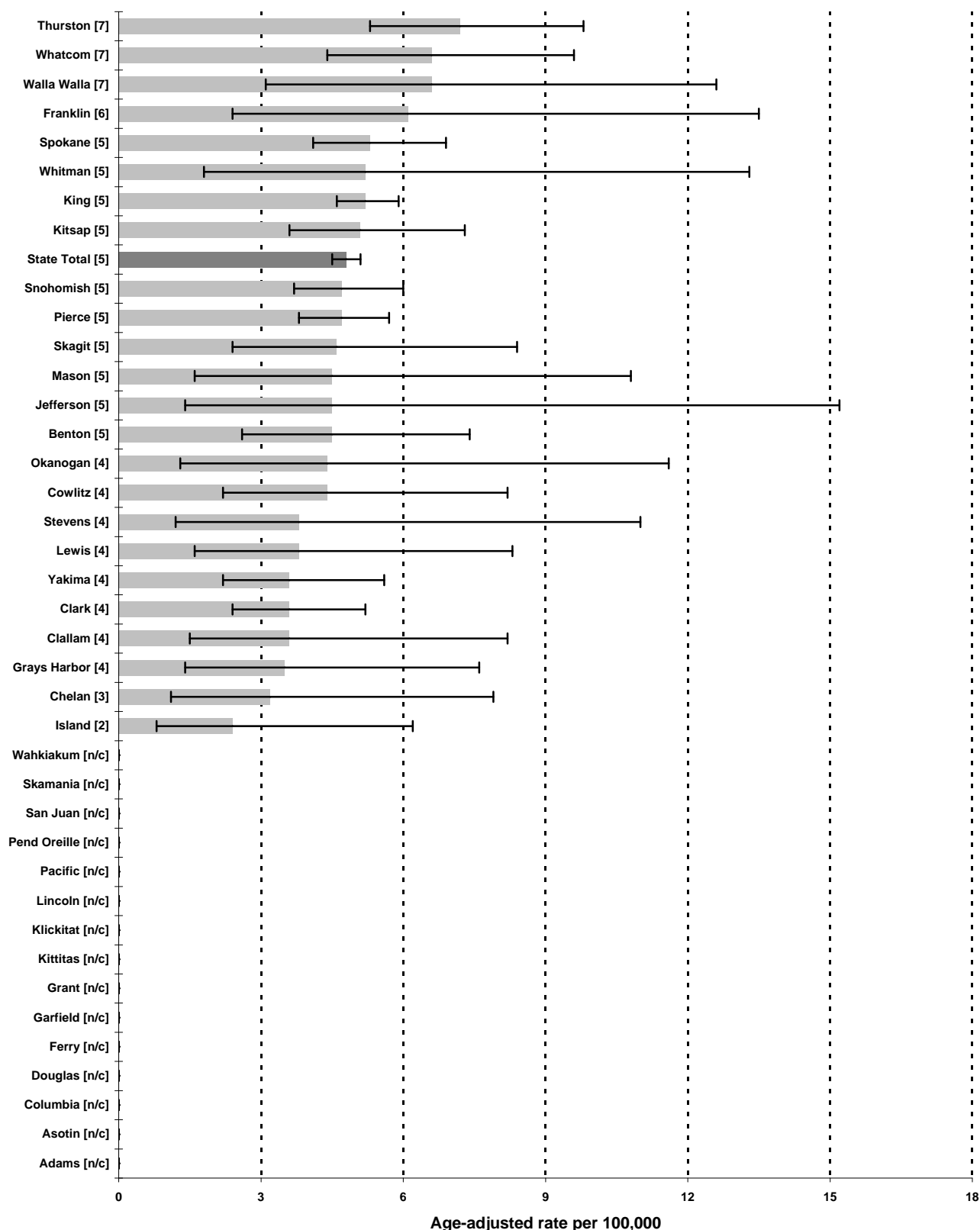
* Region 3: Chelan, Douglas, Kittitas & Okanogan
Region 13: Adams, Ferry, Grant, Lincoln, Pend Oreille & Stevens

Region 12: Cowlitz, Klickitat, Skamania & Wahkiakum
Region 17: Asotin, Columbia, Garfield, Walla Walla & Whitman

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1992-1994 Washington State Residents

Average Annual Incidence Rates by County with rates in []'s and 95% CI's |—| census population

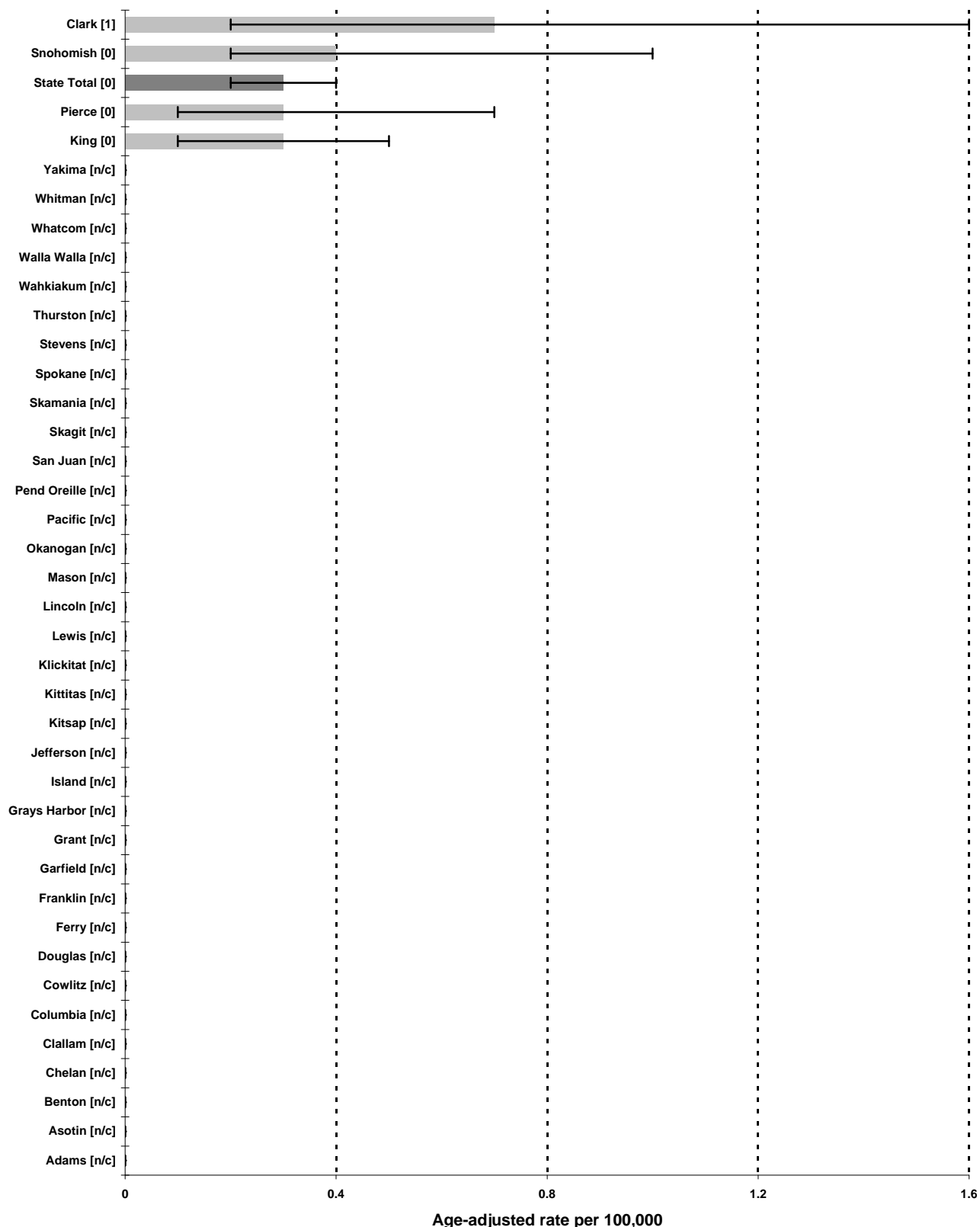


NOTE: Rates and confidence intervals are not computed when the 1992-1994 total number of new cases is less than 5.

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1992-1994 Washington State Residents

Average Annual Mortality Rates by County with rates in []'s and 95% CI's |—| census population



NOTE: Rates and confidence intervals are not computed when the 1992-1994 total number of deaths is less than 5.

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1992-1994 Washington State Residents

Average Annual Incidence and Deaths by County

with Age-Adjusted Rates and 95% Confidence Intervals

County	Incidence					Deaths				
	1992-1994 Annual Average					1992-1994 Annual Average				
	Average New Cases per Year	Age Adjusted to 1940 US Census Population		Age Adjusted to 1970 US Census Population		Average Deaths per Year	Age Adjusted to 1940 US Census Population		Age Adjusted to 1970 US Census Population	
		Rate per 100,000	95% CI for Rates	Rate per 100,000	95% CI for Rates		Rate per 100,000	95% CI for Rates	Rate per 100,000	95% CI for Rates
Adams	1	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
Asotin	1	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
Benton	6	4.6	(3 - 8)	4.5	(3 - 7)	0	n/c	n/c	n/c	n/c
Chelan	2	3.3	(1 - 8)	3.2	(1 - 8)	0	n/c	n/c	n/c	n/c
Clallam	3	3.8	(2 - 9)	3.6	(2 - 8)	1	n/c	n/c	n/c	n/c
Clark	11	3.7	(3 - 5)	3.6	(2 - 5)	2	0.5	(0 - 1)	0.7	(0 - 2)
Columbia	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
Cowlitz	4	4.7	(2 - 9)	4.4	(2 - 8)	1	n/c	n/c	n/c	n/c
Douglas	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
Ferry	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
Franklin	2	5.7	(2 - 12)	6.1	(2 - 14)	0	n/c	n/c	n/c	n/c
Garfield	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
Grant	1	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c
Grays Harbor	3	3.9	(2 - 9)	3.5	(1 - 8)	0	n/c	n/c	n/c	n/c
Island	2	2.5	(1 - 6)	2.4	(1 - 6)	1	n/c	n/c	n/c	n/c
Jefferson	2	3.8	(1 - 14)	4.5	(1 - 15)	0	n/c	n/c	n/c	n/c
King	95	5.4	(5 - 6)	5.2	(5 - 6)	5	0.2	(0 - 0)	0.3	(0 - 1)
Kitsap	12	5.3	(4 - 8)	5.1	(4 - 7)	1	n/c	n/c	n/c	n/c
Kittitas	1	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
Klickitat	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
Lewis	3	4.0	(2 - 8)	3.8	(2 - 8)	1	n/c	n/c	n/c	n/c
Lincoln	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
Mason	2	4.3	(1 - 11)	4.5	(2 - 11)	0	n/c	n/c	n/c	n/c
Okanogan	2	4.9	(2 - 13)	4.4	(1 - 12)	0	n/c	n/c	n/c	n/c
Pacific	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
Pend Oreille	1	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
Pierce	32	4.8	(4 - 6)	4.7	(4 - 6)	2	0.2	(0 - 1)	0.3	(0 - 1)
San Juan	1	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
Skagit	4	5.0	(3 - 9)	4.6	(2 - 8)	0	n/c	n/c	n/c	n/c
Skamania	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
Snohomish	28	5.0	(4 - 6)	4.7	(4 - 6)	2	0.3	(0 - 1)	0.4	(0 - 1)
Spokane	21	5.5	(4 - 7)	5.3	(4 - 7)	1	n/c	n/c	n/c	n/c
Stevens	2	4.0	(1 - 11)	3.8	(1 - 11)	0	n/c	n/c	n/c	n/c
Thurston	16	8.0	(6 - 11)	7.2	(5 - 10)	1	n/c	n/c	n/c	n/c
Wahkiakum	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
Walla Walla	3	6.7	(3 - 13)	6.6	(3 - 13)	0	n/c	n/c	n/c	n/c
Whatcom	10	7.4	(5 - 11)	6.6	(4 - 10)	0	n/c	n/c	n/c	n/c
Whitman	2	5.7	(2 - 14)	5.2	(2 - 13)	0	n/c	n/c	n/c	n/c
Yakima	7	3.5	(2 - 5)	3.6	(2 - 6)	1	n/c	n/c	n/c	n/c
Unidentified	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
State Total	282	5.0	(5 - 5)	4.8	(5 - 5)	21	0.2	(0 - 0)	0.3	(0 - 0)

Note: Rates and confidence intervals are not computed when the 1992-1994 total number of new cases or deaths is less than 5.

Thyroid

1994 Washington State Residents

Incidence and Incidence Rates by PUMS Region with Age-Adjusted Rates and 95% Confidence Intervals

PUMS Regions	Total					Male					Female				
	New Cases	Age Adjusted to 1940 US Census Population		Age Adjusted to 1970 US Census Population		New Cases	Age Adjusted to 1940 US Census Population		Age Adjusted to 1970 US Census Population		New Cases	Age Adjusted to 1940 US Census Population		Age Adjusted to 1970 US Census Population	
		Rate per 100,000	95% CI for Rates	Rate per 100,000	95% CI for Rates		Rate per 100,000	95% CI for Rates	Rate per 100,000	95% CI for Rates		Rate per 100,000	95% CI for Rates	Rate per 100,000	95% CI for Rates
(1) Whatcom	11	7.2	(4 - 13)	6.6	(3 - 13)	6	7.3	(3 - 17)	7.5	(3 - 18)	5	7.3	(2 - 17)	6.2	(2 - 16)
(2) Island, San Juan, Skagit	9	5.5	(2 - 11)	5.0	(2 - 10)	5	5.4	(2 - 14)	5.6	(2 - 15)	4	n/c	n/c	n/c	n/c
(3) Chelan, Douglas, Kittitas, Okanogan	5	2.8	(1 - 7)	2.9	(1 - 8)	2	n/c	n/c	n/c	n/c	3	n/c	n/c	n/c	n/c
(4) Kitsap	8	3.6	(2 - 8)	3.1	(1 - 7)	3	n/c	n/c	n/c	n/c	5	4.8	(2 - 12)	3.5	(1 - 10)
(5) Clallam, Jefferson, Mason	5	2.6	(1 - 8)	2.9	(1 - 9)	1	n/c	n/c	n/c	n/c	4	n/c	n/c	n/c	n/c
(6) Snohomish	25	4.3	(3 - 7)	4.2	(3 - 7)	7	2.5	(1 - 6)	2.6	(1 - 6)	18	6.1	(4 - 10)	5.7	(3 - 10)
(7) King	100	5.7	(5 - 7)	5.6	(5 - 7)	26	2.8	(2 - 4)	3.0	(2 - 5)	74	8.6	(7 - 11)	8.2	(6 - 11)
(8) Pierce	44	6.4	(5 - 9)	6.2	(4 - 8)	6	1.7	(1 - 4)	2.0	(1 - 5)	38	11.4	(8 - 16)	10.5	(7 - 15)
(9) Thurston	17	8.3	(5 - 14)	7.4	(4 - 13)	6	5.9	(2 - 14)	5.3	(2 - 13)	11	10.5	(5 - 20)	9.5	(5 - 19)
(10) Grays Harbor, Lewis, Pacific	6	3.0	(1 - 8)	3.4	(1 - 9)	1	n/c	n/c	n/c	n/c	5	5.4	(2 - 15)	5.9	(2 - 16)
(11) Clark	13	4.4	(2 - 8)	4.3	(2 - 8)	4	n/c	n/c	n/c	n/c	9	6.4	(3 - 13)	5.9	(3 - 12)
(12) Cowlitz, Klickitat, Skamania, Wahkiakum	2	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c	2	n/c	n/c	n/c	n/c
(13) Adams, Ferry, Grant, Lincoln, Pend Oreille, Stevens	3	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c	2	n/c	n/c	n/c	n/c
(14) Spokane	21	5.2	(3 - 8)	4.7	(3 - 7)	6	3.1	(1 - 7)	2.7	(1 - 6)	15	7.2	(4 - 12)	6.6	(4 - 12)
(15) Benton, Franklin	5	2.8	(1 - 7)	2.7	(1 - 7)	2	n/c	n/c	n/c	n/c	3	n/c	n/c	n/c	n/c
(16) Yakima	6	2.7	(1 - 7)	3.1	(1 - 7)	3	n/c	n/c	n/c	n/c	3	n/c	n/c	n/c	n/c
(17) Asotin, Columbia, Garfield, Walla Walla, Whitman	10	8.0	(4 - 16)	8.0	(4 - 16)	3	n/c	n/c	n/c	n/c	7	10.1	(4 - 23)	9.9	(4 - 23)
Unidentified	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
STATE TOTAL	290	5.0	(4 - 6)	4.8	(4 - 5)	82	2.7	(2 - 3)	2.9	(2 - 4)	208	7.3	(6 - 9)	6.8	(6 - 8)

Note: Rates and confidence intervals are not computed when the 1992-1994 total number of new cases or deaths is less than 5.

Thyroid

1994 Washington State Residents

Mortality and Mortality Rates by PUMS Region with Age-Adjusted Rates and 95% Confidence Intervals

PUMS Regions	Total					Male					Female				
	New Cases	Age Adjusted to 1940 US Census Population		Age Adjusted to 1970 US Census Population		New Cases	Age Adjusted to 1940 US Census Population		Age Adjusted to 1970 US Census Population		New Cases	Age Adjusted to 1940 US Census Population		Age Adjusted to 1970 US Census Population	
		Rate per 100,000	95% CI for Rates	Rate per 100,000	95% CI for Rates		Rate per 100,000	95% CI for Rates	Rate per 100,000	95% CI for Rates		Rate per 100,000	95% CI for Rates	Rate per 100,000	95% CI for Rates
(1) Whatcom	1	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
(2) Island, San Juan, Skagit	1	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
(3) Chelan, Douglas, Kittitas, Okanogan	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
(4) Kitsap	2	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c	2	n/c	n/c	n/c	n/c
(5) Clallam, Jefferson, Mason	1	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c
(6) Snohomish	1	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
(7) King	5	0.2	(0 - 1)	0.3	(0 - 1)	2	n/c	n/c	n/c	n/c	3	n/c	n/c	n/c	n/c
(8) Pierce	2	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c
(9) Thurston	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
(10) Grays Harbor, Lewis, Pacific	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
(11) Clark	1	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c
(12) Cowlitz, Klickitat, Skamania, Wahkiakum	2	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c
(13) Adams, Ferry, Grant, Lincoln, Pend Oreille, Stevens	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
(14) Spokane	1	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
(15) Benton, Franklin	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
(16) Yakima	1	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
(17) Asotin, Columbia, Garfield, Walla Walla, Whitman	1	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c
Unidentified	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
STATE TOTAL	19	0.2	(0 - 0)	0.3	(0 - 1)	9	0.2	(0 - 1)	0.3	(0 - 1)	10	0.1	(0 - 0)	0.2	(0 - 1)

Note: Rates and confidence intervals are not computed when the 1992-1994 total number of new cases or deaths is less than 5.